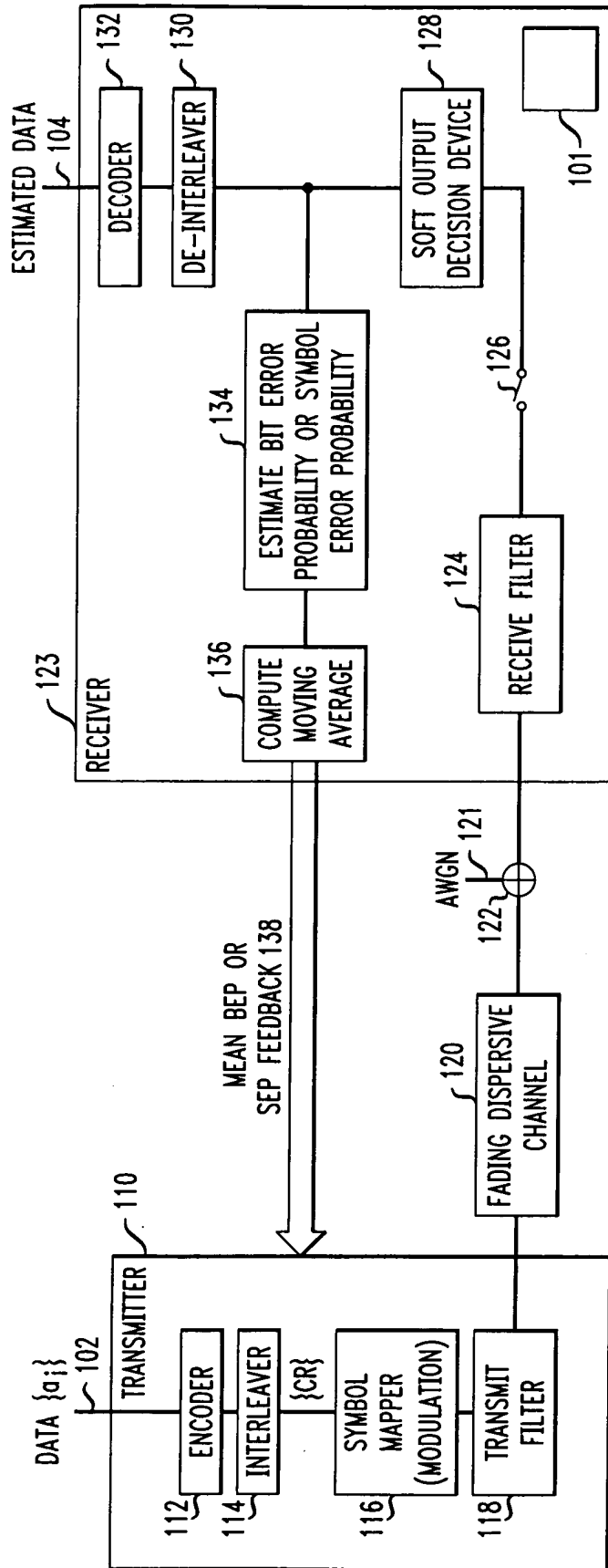




1/4

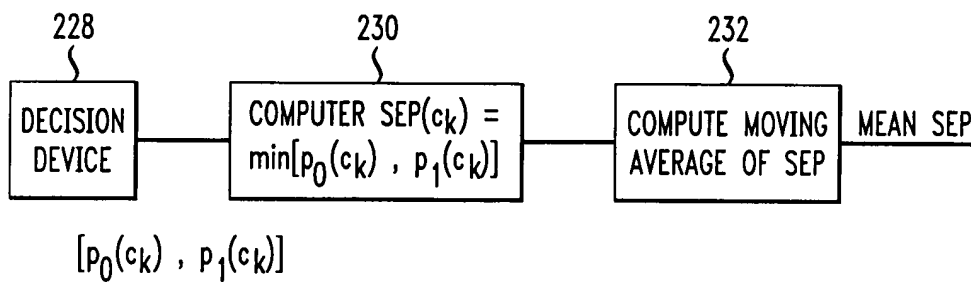
FIG. 1  
BLOCK DIAGRAM OF SYSTEM



AWGA - ADDITIVE WHITE GAUSSIAN NOISE  
MAP - MAXIMUM A POSTERIORI (BCJR - BAHL, COCKE, JELINEK AND RAVIV [3])  
SOVA - SOFT OUTPUT VITERBI ALGORITHM

2/4

**FIG. 2**  
 COMPUTATION OF MEAN SEP (METHOD 1)



**FIG. 3**  
 COMPUTATION OF MEAN SEP (METHOD 2)

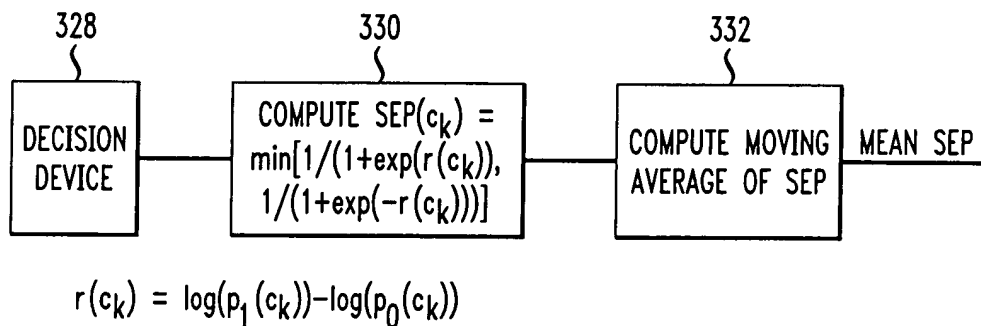


FIG. 4

USE OF MEAN SEP OR SEP FOR RATE  
ADAPTATION AND POWER CONTROL

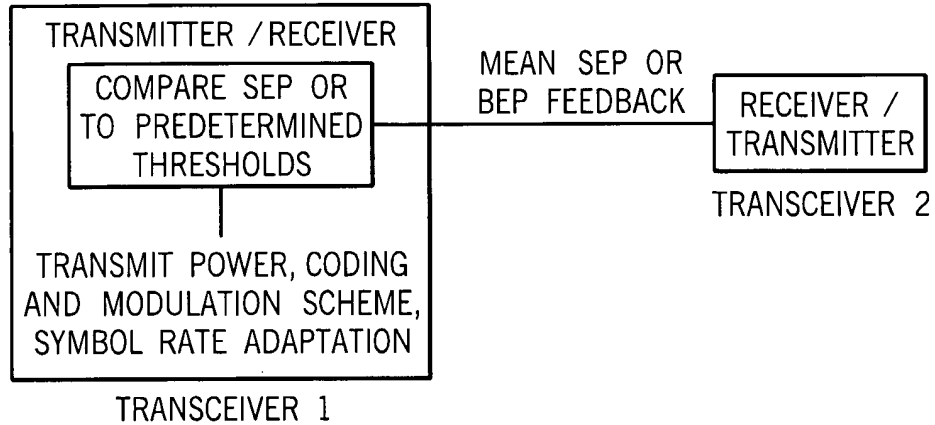
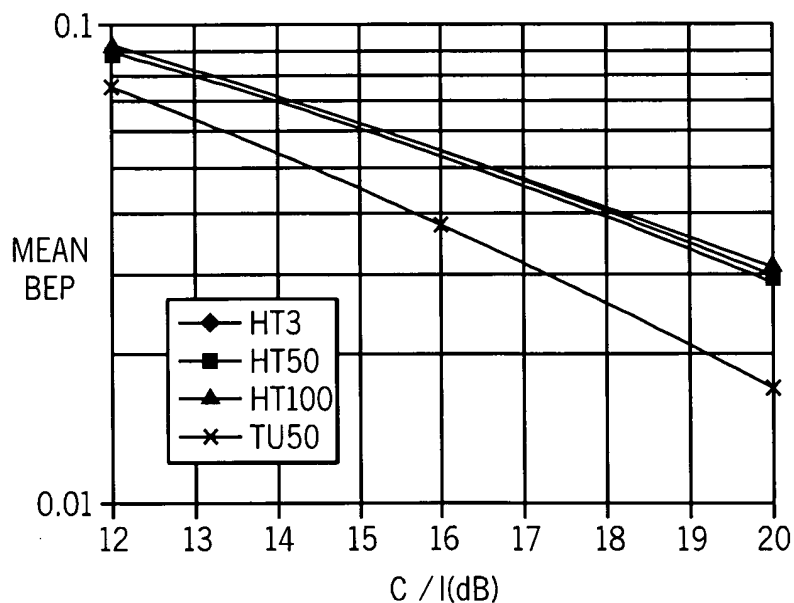


FIG. 6

MEAN BIT ERROR PROBABILITY ESTIMATE FOR DIFFERENT ENVIRONMENTS AND  
MOBILE SPEEDS; HT3 REPRESENTS THE CHANNEL MODEL FOR A MOBILE  
SPEED OF 3 km /h IN A HILLY TERRAIN ENVIRONMENT



4/4

FIG. 5

